

Claims:

1. (Previously Presented) A method of drilling and completing a plurality of subsea wells, comprising:

(a) with a well drilling derrick assembly on a floating platform, connecting a drilling riser to a first wellhead housing, drilling and casing a first well, then running a string of tubing and landing a tubing hanger in the first wellhead housing;

(b) with the well drilling derrick assembly on the floating platform, disconnecting the drilling riser from the first wellhead housing, connecting the drilling riser to a second wellhead housing, and performing operations on a second well; and

(c) while performing at least part of the operations on the second well in step (b), connecting to a production tree a lift line from a lift line winch that is on the same floating platform and spaced away from the well drilling derrick assembly, and lowering the production tree on the lift line to the first wellhead housing and connecting the tree to the first wellhead housing.

2. (Previously Presented) The method according to claim 1, wherein:

during step (a) the well drilling derrick assembly of the platform is located over the first wellhead housing; and

the platform is moved from the position in step (a) after the drilling riser is disconnected to position the well drilling derrick assembly above the second wellhead housing..

3. (Original) The method according to claim 1, wherein step (a) further comprises perforating the first well and setting a plug within the tubing hanger.

4. (Previously Presented) A method of drilling and completing a plurality of subsea wells, comprising:

(a) with a floating platform, connecting a drilling riser to a first wellhead housing, drilling and casing a first well, then running a string of tubing and landing a tubing hanger in the first wellhead housing;

(b) with the floating platform, disconnecting the drilling riser from the first wellhead housing, connecting the drilling riser to a second wellhead housing, and performing operations on a second well;

(c) while performing at least part of step (b), lowering a production tree on a lift line from the same floating platform and connecting the tree to the first wellhead housing;

wherein step (a) further comprises perforating the first well and setting a plug within the tubing hanger;

wherein the method further comprises after step (c):

lowering a plug removal tool on the lift line and landing the plug removal tool on the tree;

removing the plug with the plug removal tool; then

disconnecting the plug removal tool from the tree and retrieving the plug removal tool on the lift line.

5. (Previously Presented) A method of drilling and completing a plurality of subsea wells, comprising:

(a)with a floating platform, connecting a drilling riser to a first wellhead housing, drilling and casing a first well, then running a string of tubing and landing a tubing hanger in the first wellhead housing;

(b)with the floating platform, disconnecting the drilling riser from the first wellhead housing, connecting the drilling riser to a second wellhead housing, and performing operations on a second well;

(c) while performing at least part of step (b), lowering a production tree on a lift line from the same floating platform and connecting the tree to the first wellhead housing; wherein:

step (a) further comprises providing the tubing hanger with a tubing annulus valve and closing the tubing annulus valve prior to disconnecting the drilling riser from the first wellhead housing; and

step (c) further comprises selectively opening the tubing annulus valve after the tree lands on the first wellhead housing.

6. (Previously Presented) A method of drilling and completing a plurality of subsea wells, comprising:

(a)with a floating platform, connecting a drilling riser to a first wellhead housing, drilling and casing a first well, then running a string of tubing and landing a tubing hanger in the first wellhead housing;

(b)with the floating platform, disconnecting the drilling riser from the first wellhead housing, connecting the drilling riser to a second wellhead housing, and performing operations on a second well;

(c) while performing at least part of step (b), lowering a production tree on a lift line from the same floating platform and connecting the tree to the first wellhead housing; wherein:

step (a) further comprises providing the tubing hanger with a tubing annulus valve that closes due to a spring bias prior to disconnecting the drilling riser from the first wellhead housing; and

step (c) further comprises providing the tree with a hydraulically powered actuator, and opening the tubing annulus valve with the actuator after the tree lands on the first wellhead housing.

7. (Previously Presented) A method of drilling and completing a plurality of subsea wells, comprising:

(a) with a floating platform, connecting a drilling riser to a first wellhead housing, drilling and casing a first well, then running a string of tubing and landing a tubing hanger in the first wellhead housing;

(b) with the floating platform, disconnecting the drilling riser from the first wellhead housing, connecting the drilling riser to a second wellhead housing, and performing operations on a second well;

(c) while performing at least part of step (b), lowering a production tree on a lift line from the same floating platform and connecting the tree to the first wellhead housing; wherein step (a) further comprises:

providing the tubing hanger with an orientation member and rotating the tubing hanger to a desired orientation; and step (c) further comprises:

providing the tree with an orientation member and engaging the orientation member of the tree with the orientation member of the tubing hanger to rotate the tree in a desired final orientation.

8. (Previously Presented) A method of drilling and completing a plurality of subsea wells, comprising:

(a) with a floating platform, connecting a drilling riser to a first wellhead housing, drilling and casing a first well, then running a string of tubing and landing a tubing hanger in the first wellhead housing;

(b) with the floating platform, disconnecting the drilling riser from the first wellhead housing, connecting the drilling riser to a second wellhead housing, and performing operations on a second well;

(c) while performing at least part of step (b), lowering a production tree on a lift line from the same floating platform and connecting the tree to the first wellhead housing;

(d) providing the tree with a flowline connector and rotating the tree to a desired orientation while it is landing on the first wellhead housing; and

(e) connecting a flowline jumper to the flowline connector and to additional subsea equipment.

9. (Previously Presented) A method of drilling and completing a plurality of subsea wells, comprising:

(a) with a floating platform, connecting a drilling riser to a first wellhead housing, drilling and casing a first well, then running a string of tubing and landing a tubing hanger in the first wellhead housing;

(b) with the floating platform, disconnecting the drilling riser from the first wellhead housing, connecting the drilling riser to a second wellhead housing, and performing operations on a second well;

(c) while performing at least part of step (b), lowering a production tree on a lift line from the same floating platform and connecting the tree to the first wellhead housing;

(d) providing the tree with a flowline connector; and

(e) connecting a flowline jumper to the flowline connector and to additional subsea equipment, the flowline jumper having an arcuate portion that is sufficiently buoyant to float in a vertical plane after installation.

10. (Previously Presented) A method of drilling and completing a plurality of subsea wells, comprising:

(a) with a floating platform, connecting a drilling riser to a first wellhead housing, drilling and casing a first well, then running a string of tubing and landing a tubing hanger in the first wellhead housing;

(b) with the floating platform, disconnecting the drilling riser from the first wellhead housing, connecting the drilling riser to a second wellhead housing, and performing operations on a second well;

(c) while performing at least part of step (b), lowering a production tree on a lift line from the same floating platform and connecting the tree to the first wellhead housing;

(d) connecting a subsea fluid separator to a subsea manifold having flowlines leading to a surface processing facility;

(e) connecting a flowline jumper from the tree to the subsea fluid separator;

(f) connecting a choke between the separator and the subsea manifold; and

(g) flowing well fluid from the tree to the separator, separating heavier and lighter components of the well fluid in the separator, and reducing pressure of the flowing well fluid product as the well fluid flows through the choke to the manifold for transport to the surface facility.

Claims 11-17 (canceled).